FIG.1

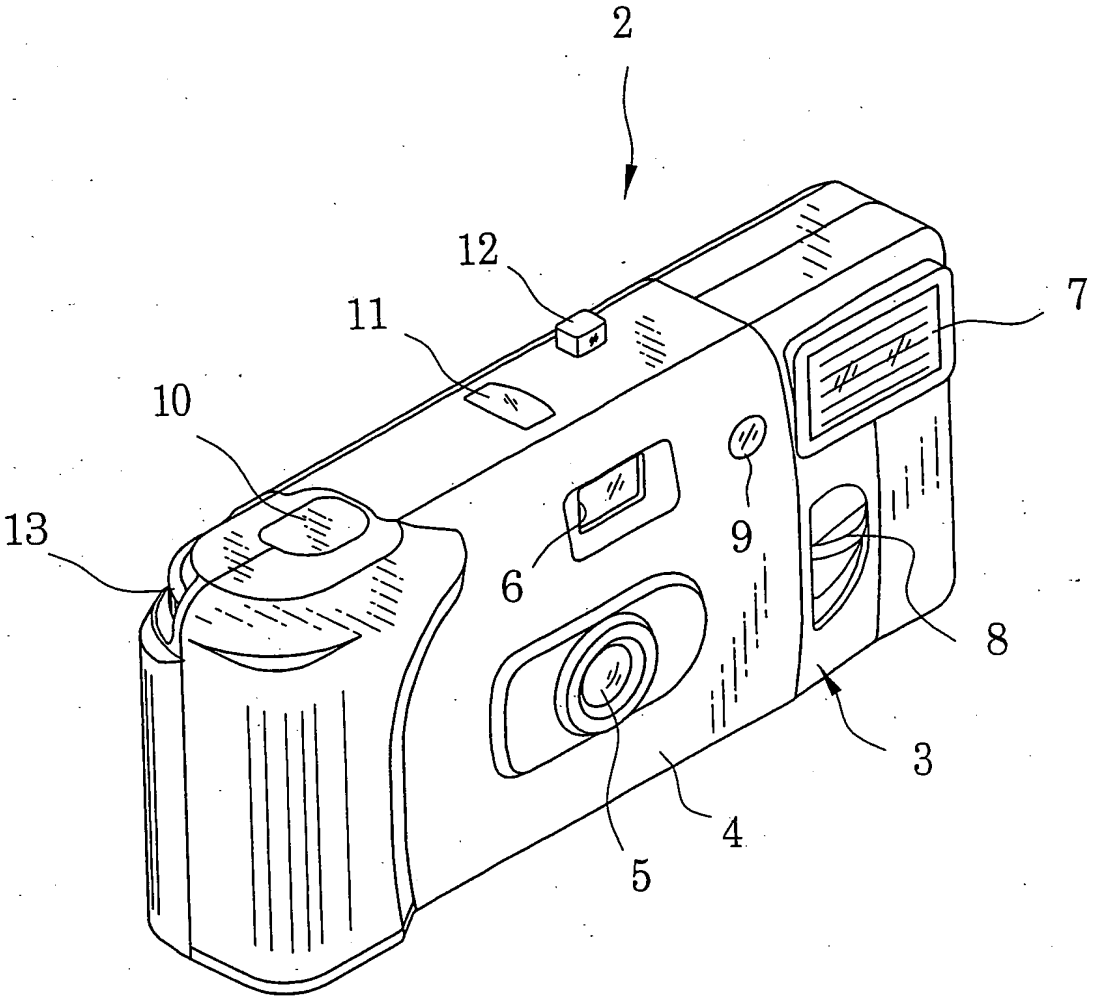


FIG.2

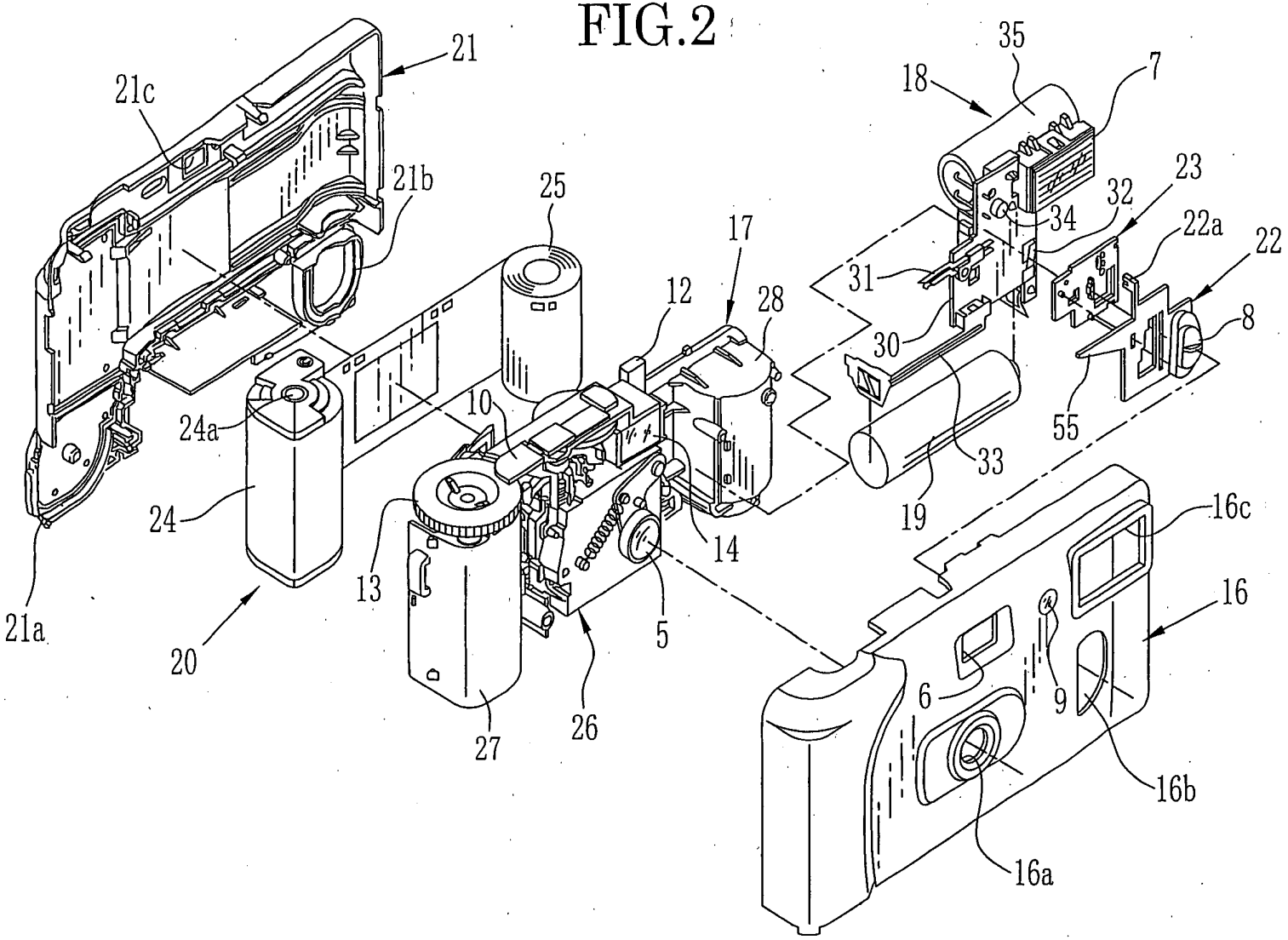

21
21c
21b
25
17
12
28
18
35
7
23
32
34
22a
22
31
30
8
55
33
19
24a
10
24
13
14
21a
20
5
26
27
16c
16
6
9
16b
16a

FIG.3

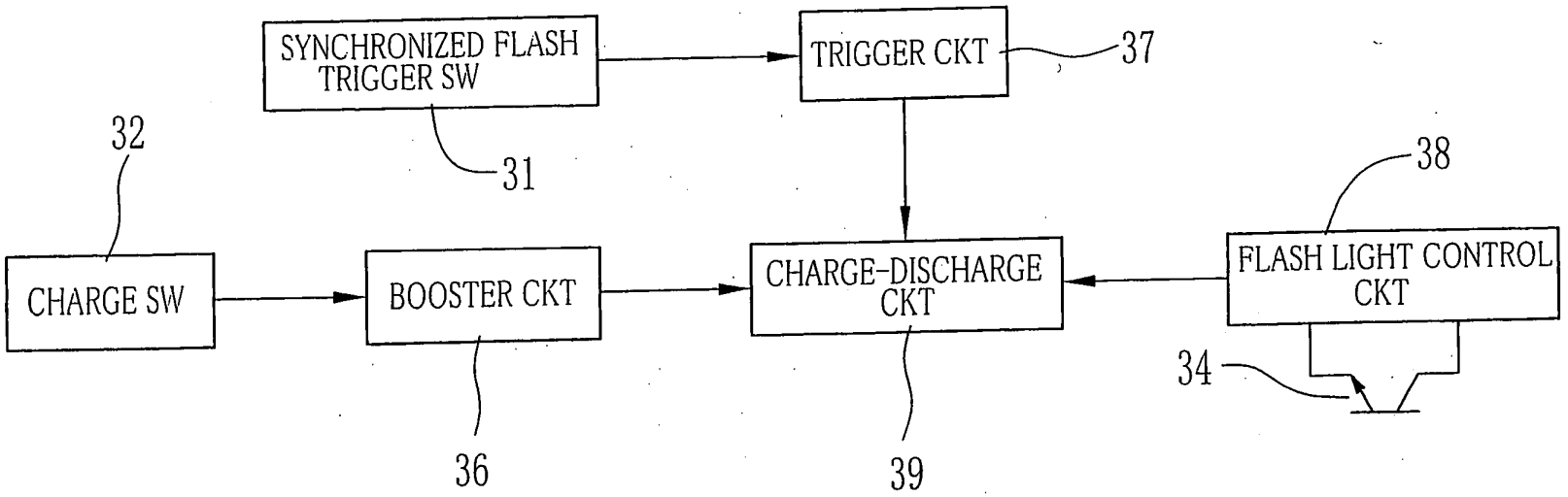

SYNCHRONIZED FLASH TRIGGER SW
TRIGGER CKT
37
31
32
38
CHARGE SW
BOOSTER CKT
CHARGE-DISCHARGE CKT
FLASH LIGHT CONTROL CKT
34
36
39

FIG.4

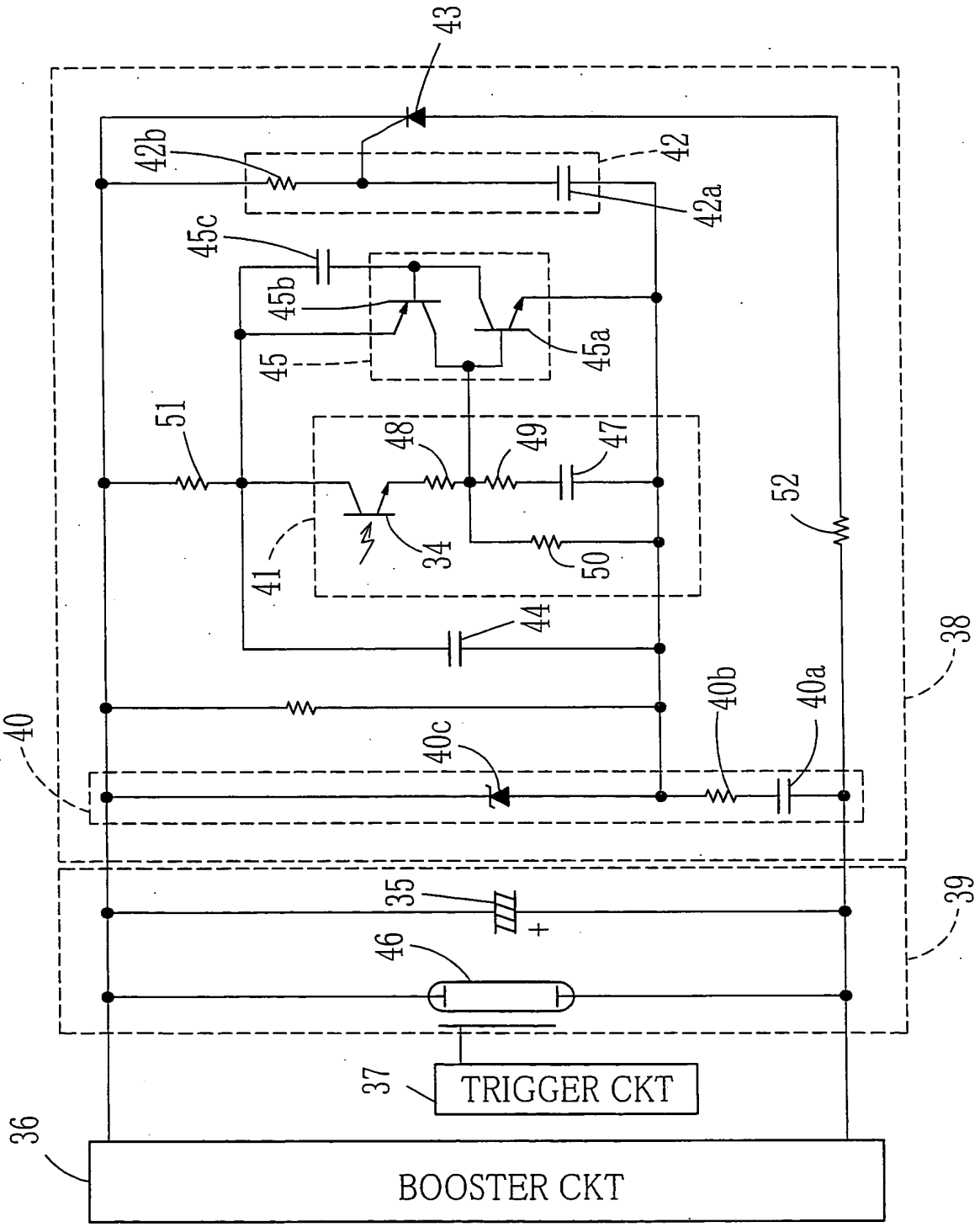

43
42b
42
42a
45c
45b
45
45a
51
48
49
47
52
41
34
50
44
38
40
40b
40a
40c
39
35
+
46
37
TRIGGER CKT
36
BOOSTER CKT

FIG.5

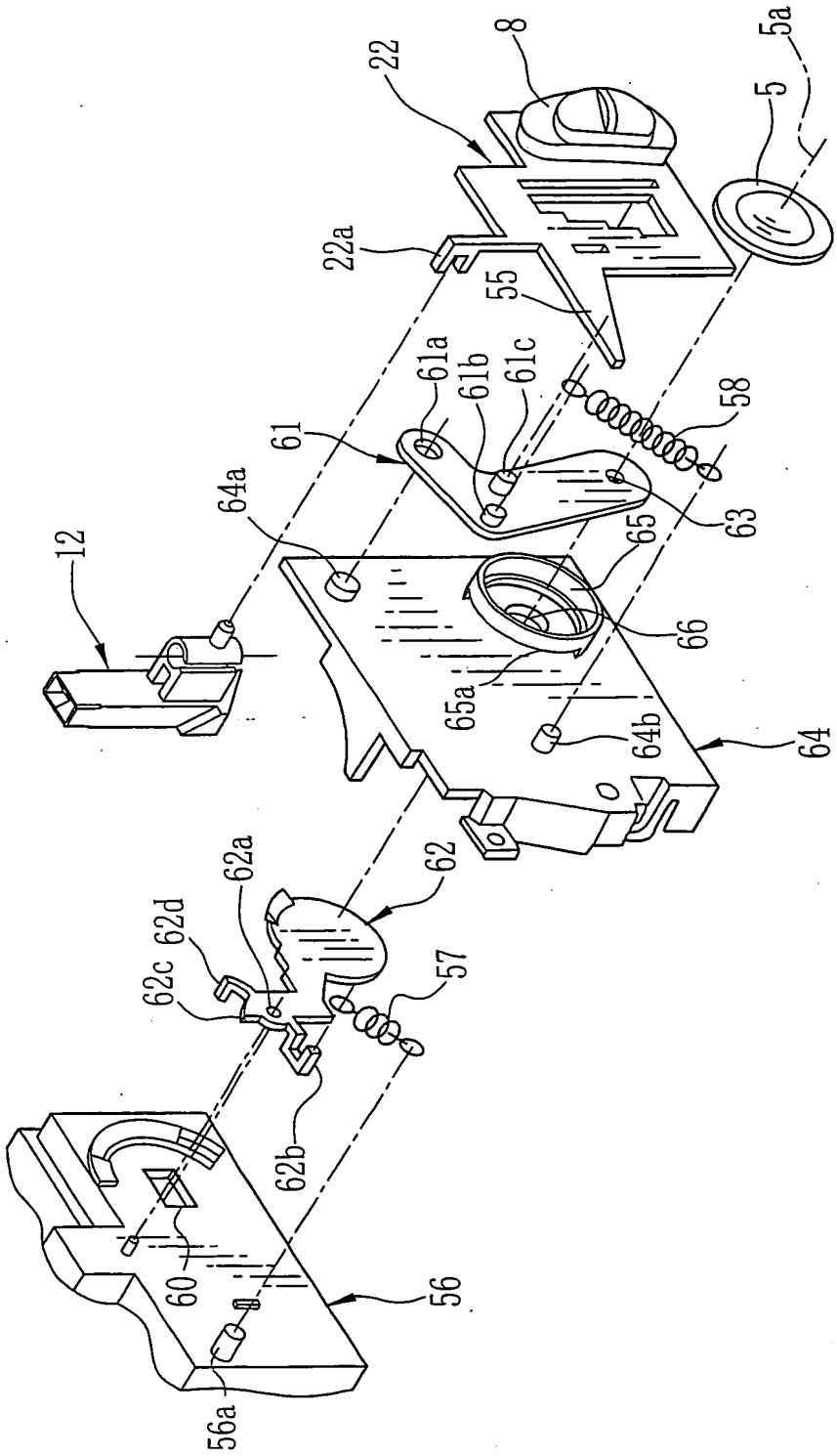

8
22
5a
5
22a
55
61a
61b
61c
58
61
64a
63
65
12
66
65a
64b
64
62a
62
62d
62c
57
62b
60
56
56a

FIG.6A

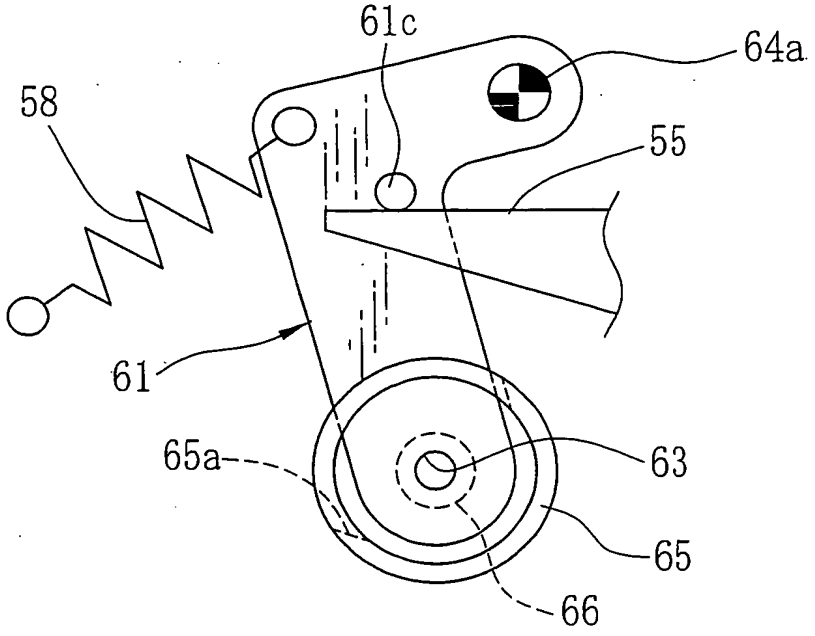


FIG.6B

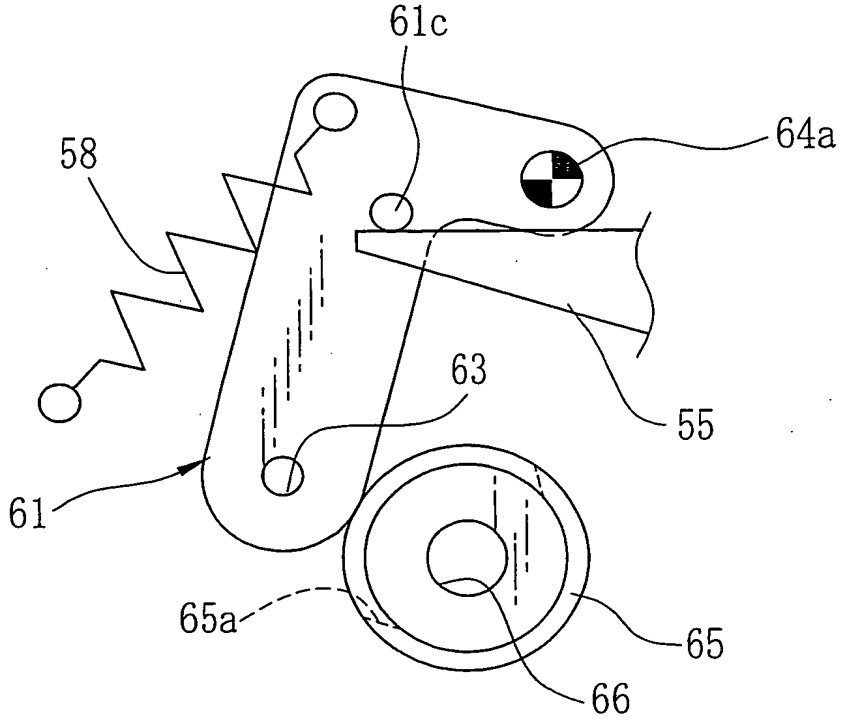


FIG.7

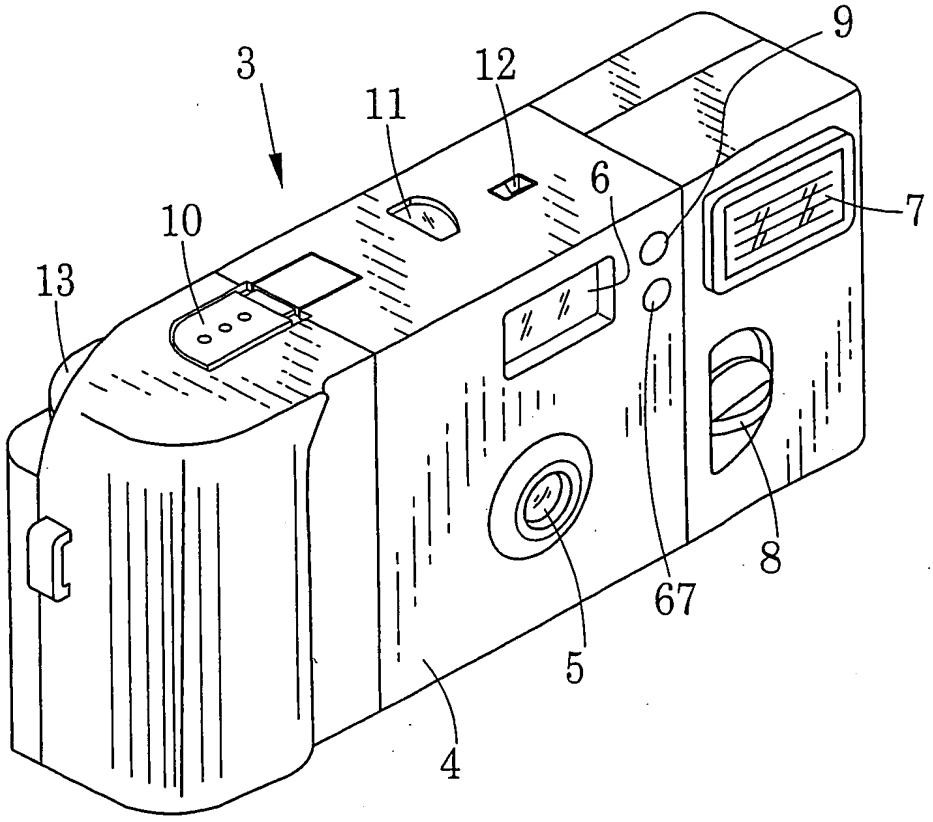


FIG.8

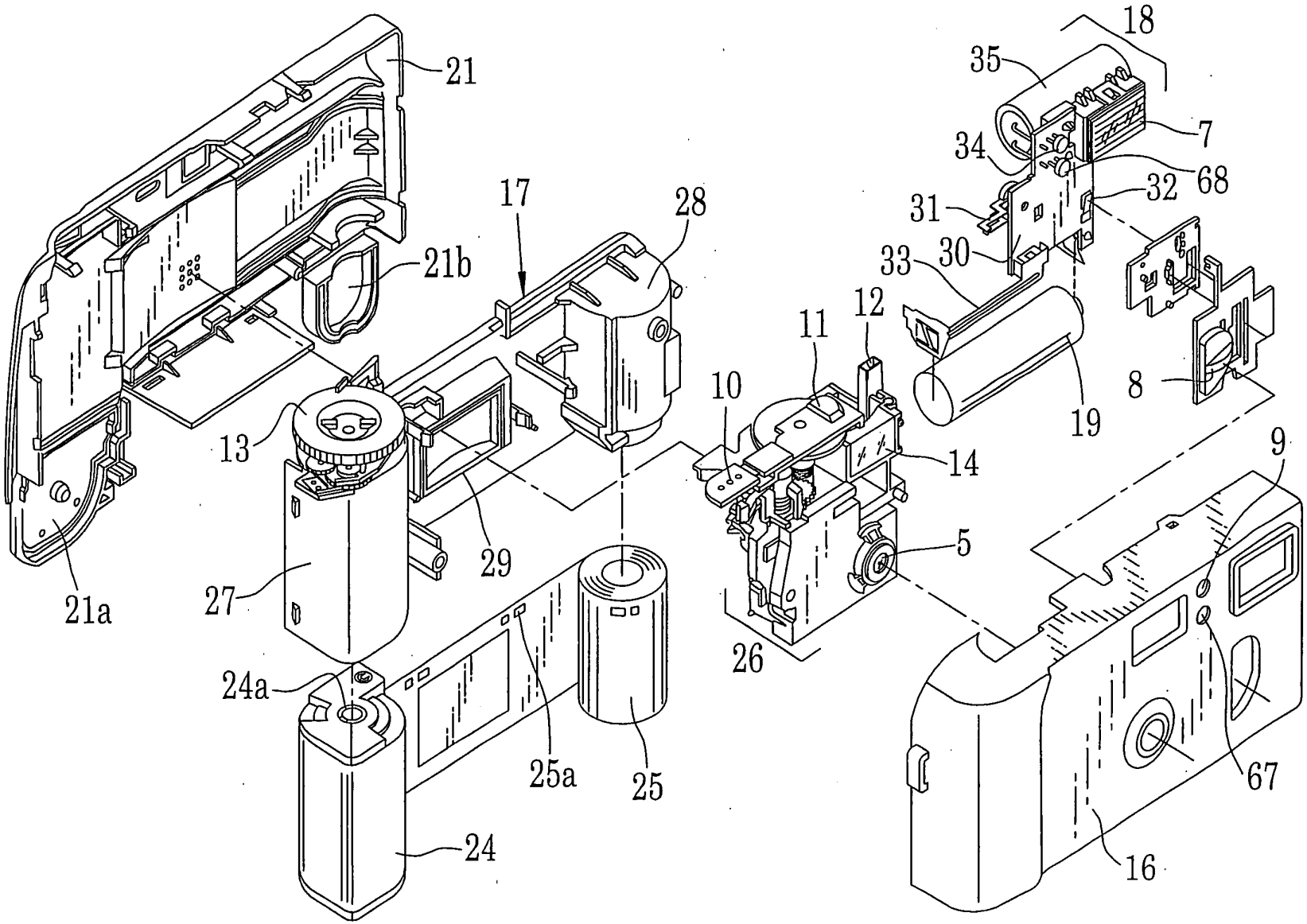

21
21b
17
28
18
35
7
34
68
32
31
30
33
12
11
10
8
19
13
14
9
29
5
21a
27
26
24a
25a
25
67
24
16

FIG.9

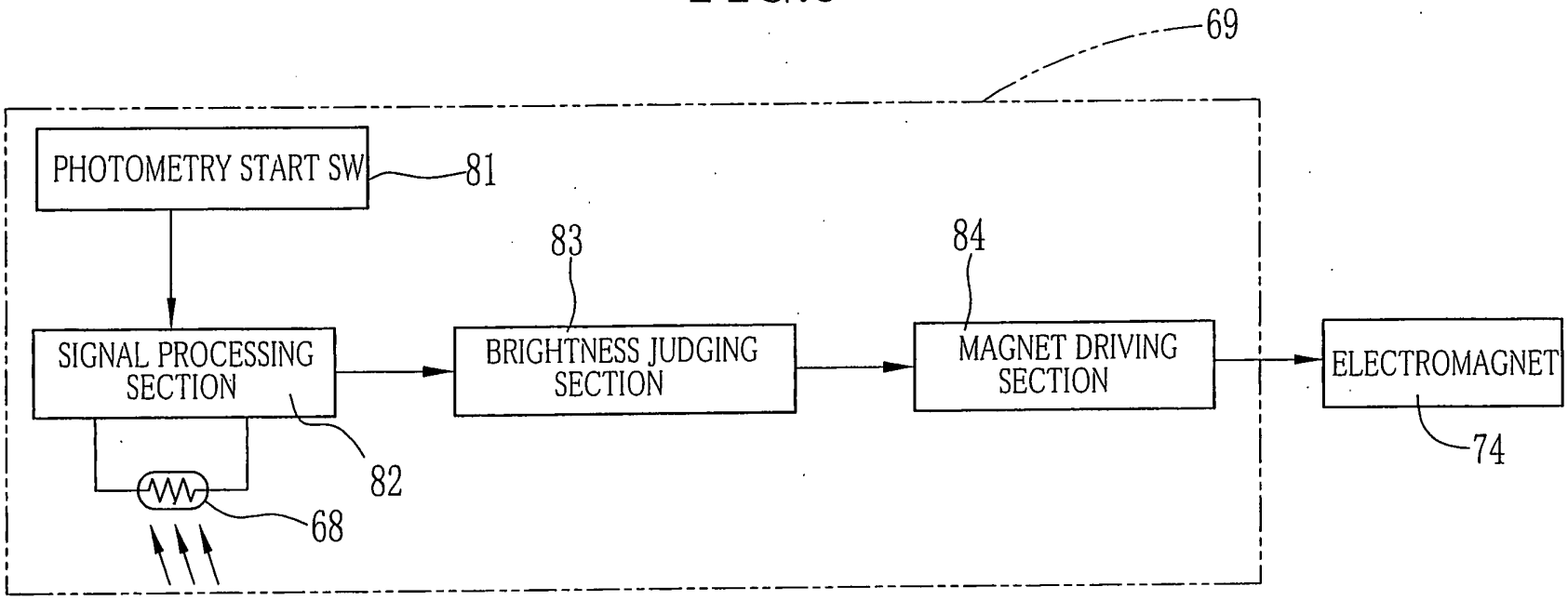

69
PHOTOMETRY START SW
81
83
84
SIGNAL PROCESSING SECTION
BRIGHTNESS JUDGING SECTION
MAGNET DRIVING SECTION
ELECTROMAGNET
82
68
74

FIG.10

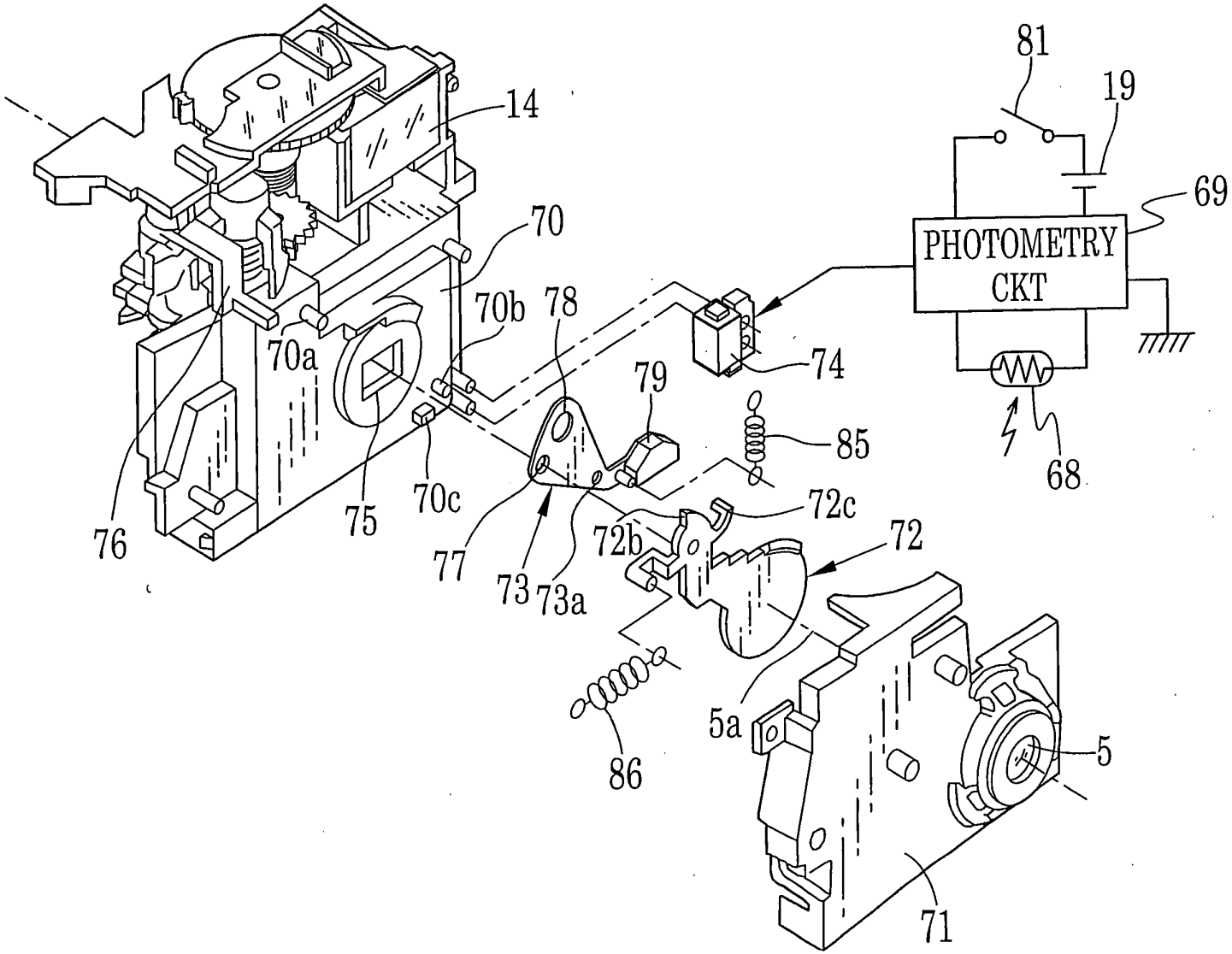

81
19
69
PHOTOMETRY CKT
14
70
70b
78
70a
74
79
85
68
72c
72b
72
76
75
70c
77
73
73a
5a
5
86
71

FIG.11A

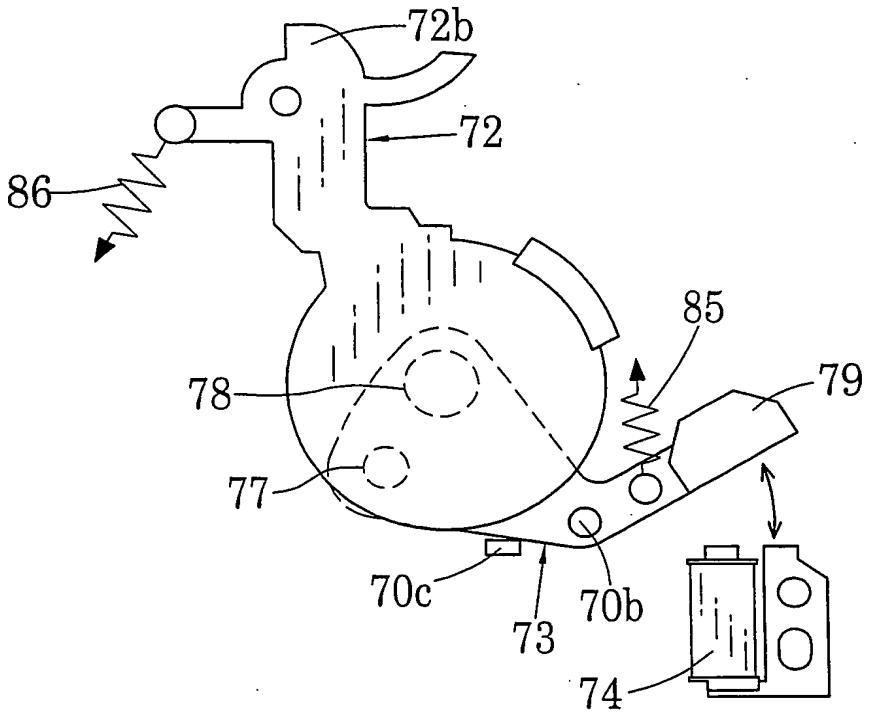


FIG.11B

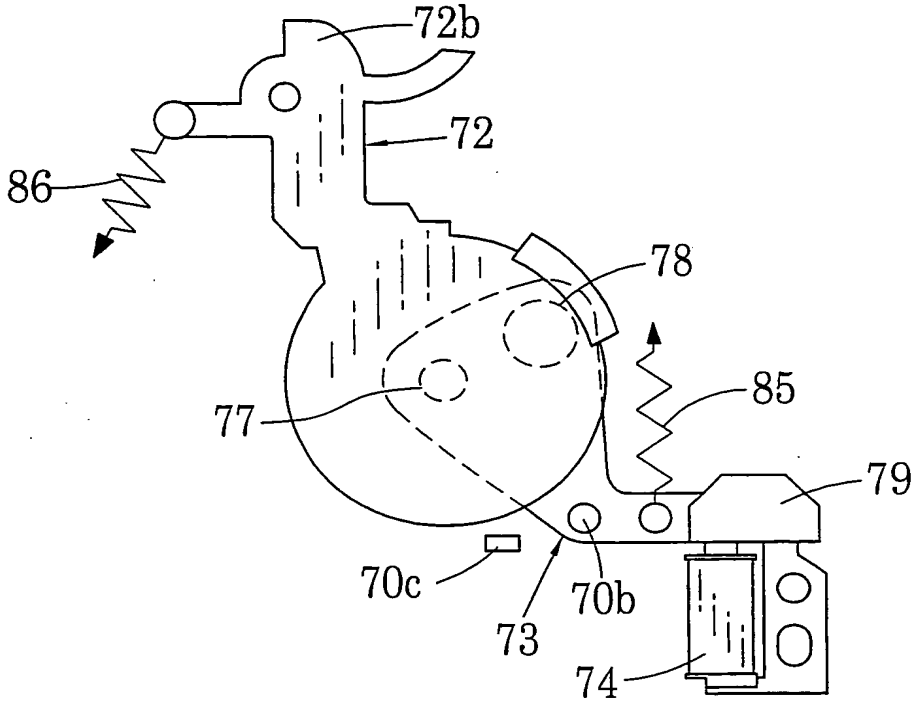


FIG.12

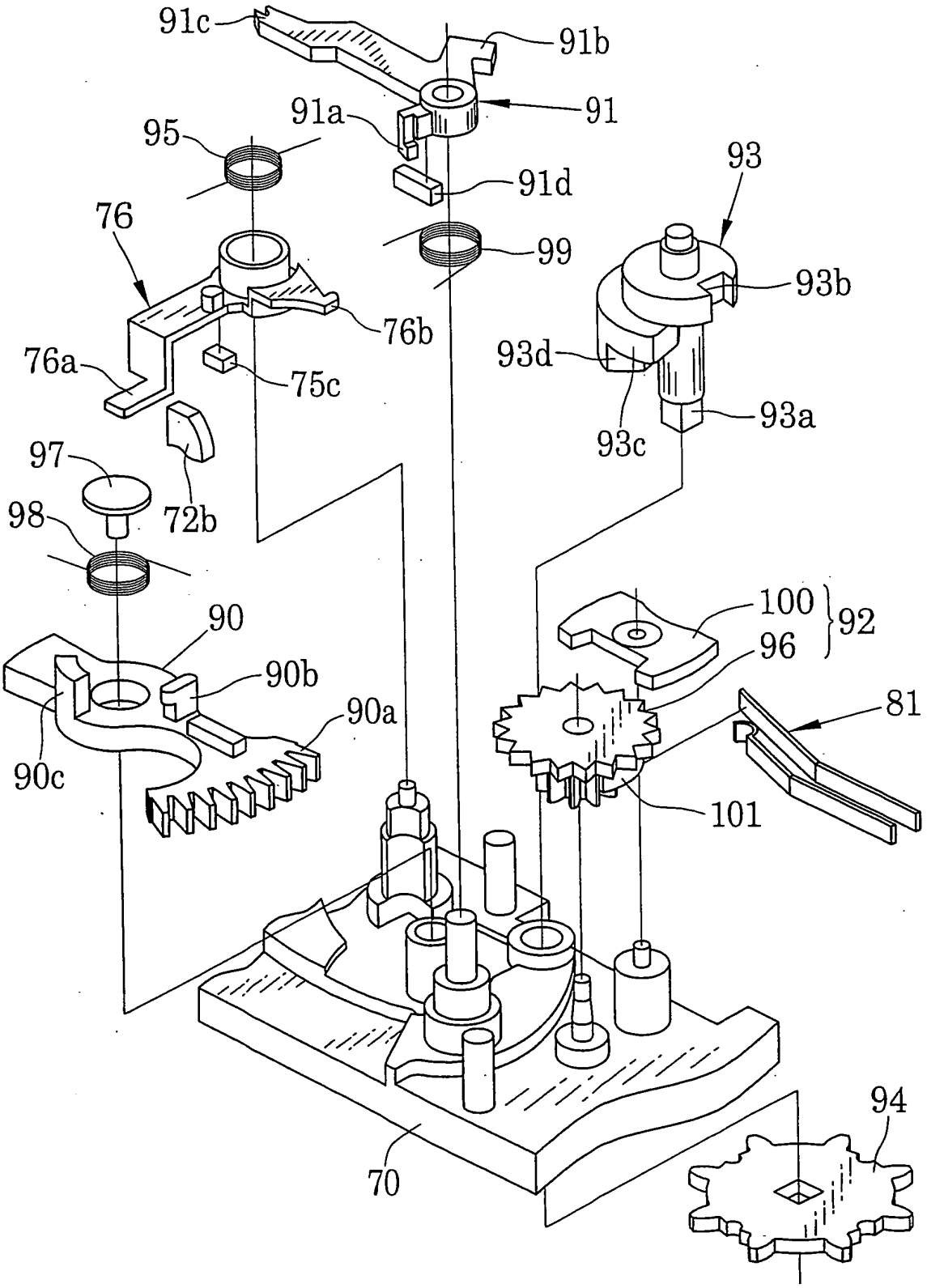

91c
91b
91
91a
95
91d
93
76
99
93b
76b
76a
75c
93d
93a
93c
97
72b
98
100
92
90
96
90b
81
90a
90c
101
94
70

FIG.13

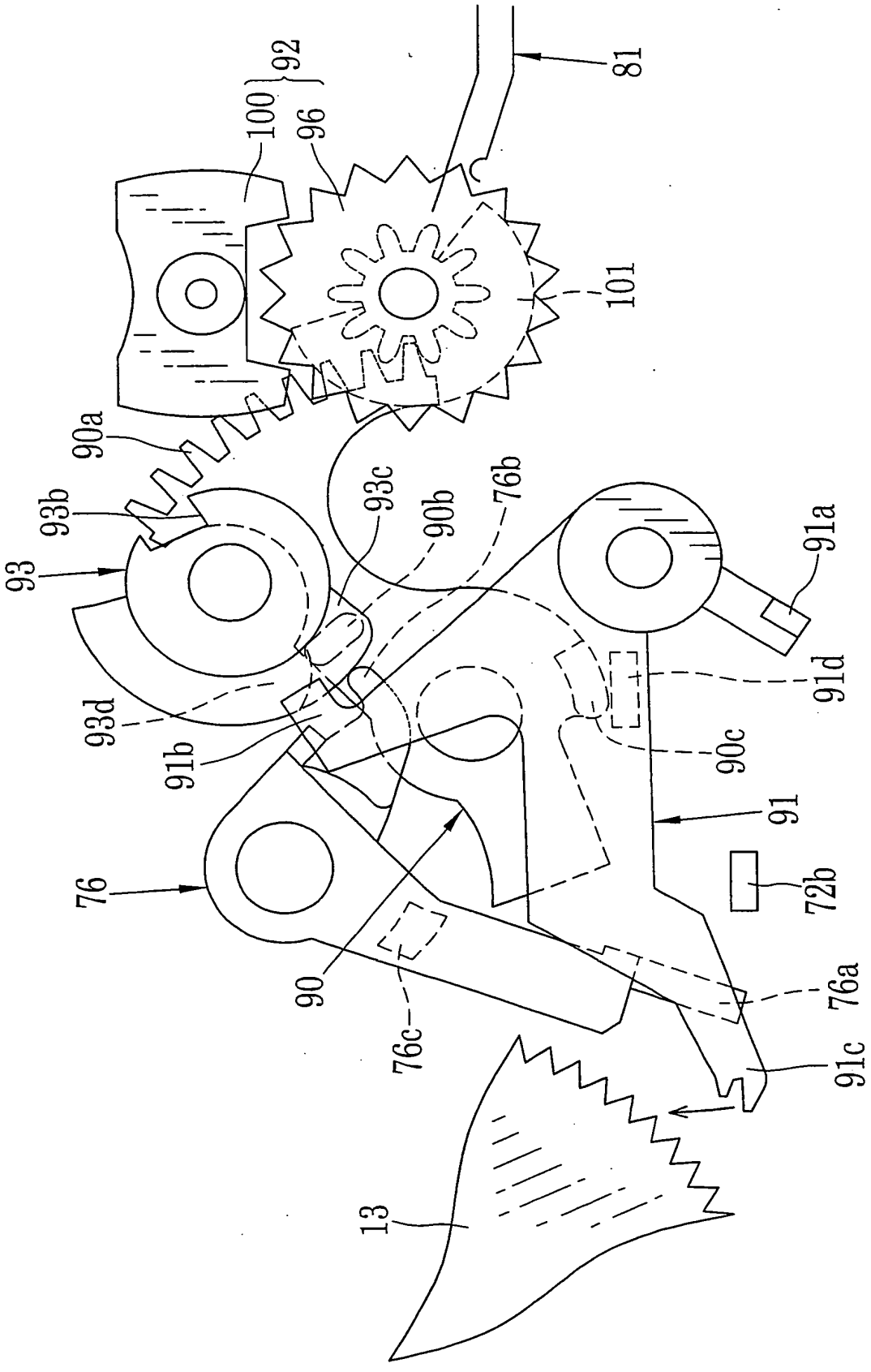

81
92
100
96
101
90a
93b
93
93c
90b
76b
91a
93d
91b
91d
90c
91
76
72b
90
76c
76a
91c
13

FIG.14

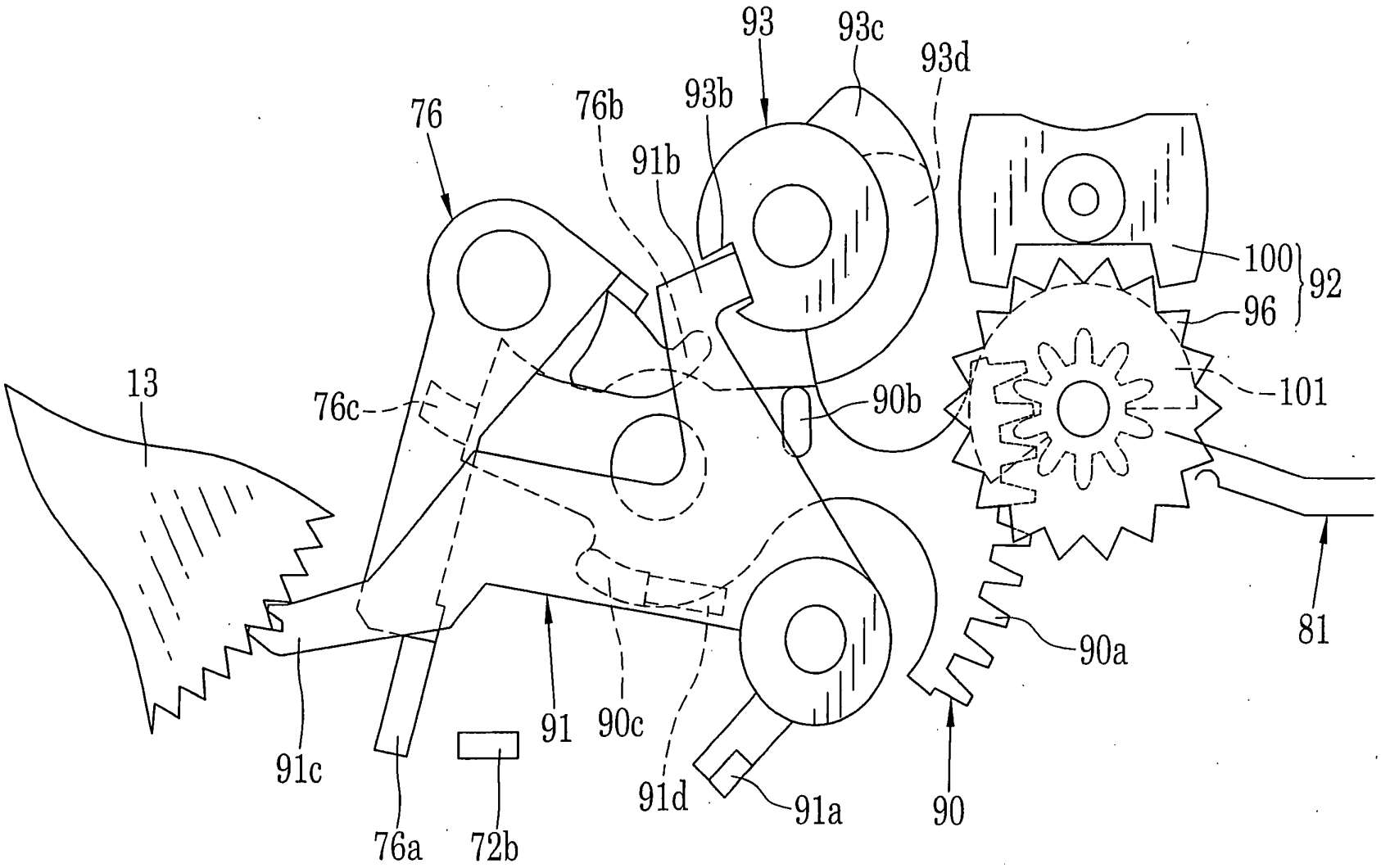

93
93c
93d
76
76b
93b
91b
100
92
96
13
76c
90b
101
81
90a
91
90c
91c
91d
91a
90
76a
72b

FIG. 15

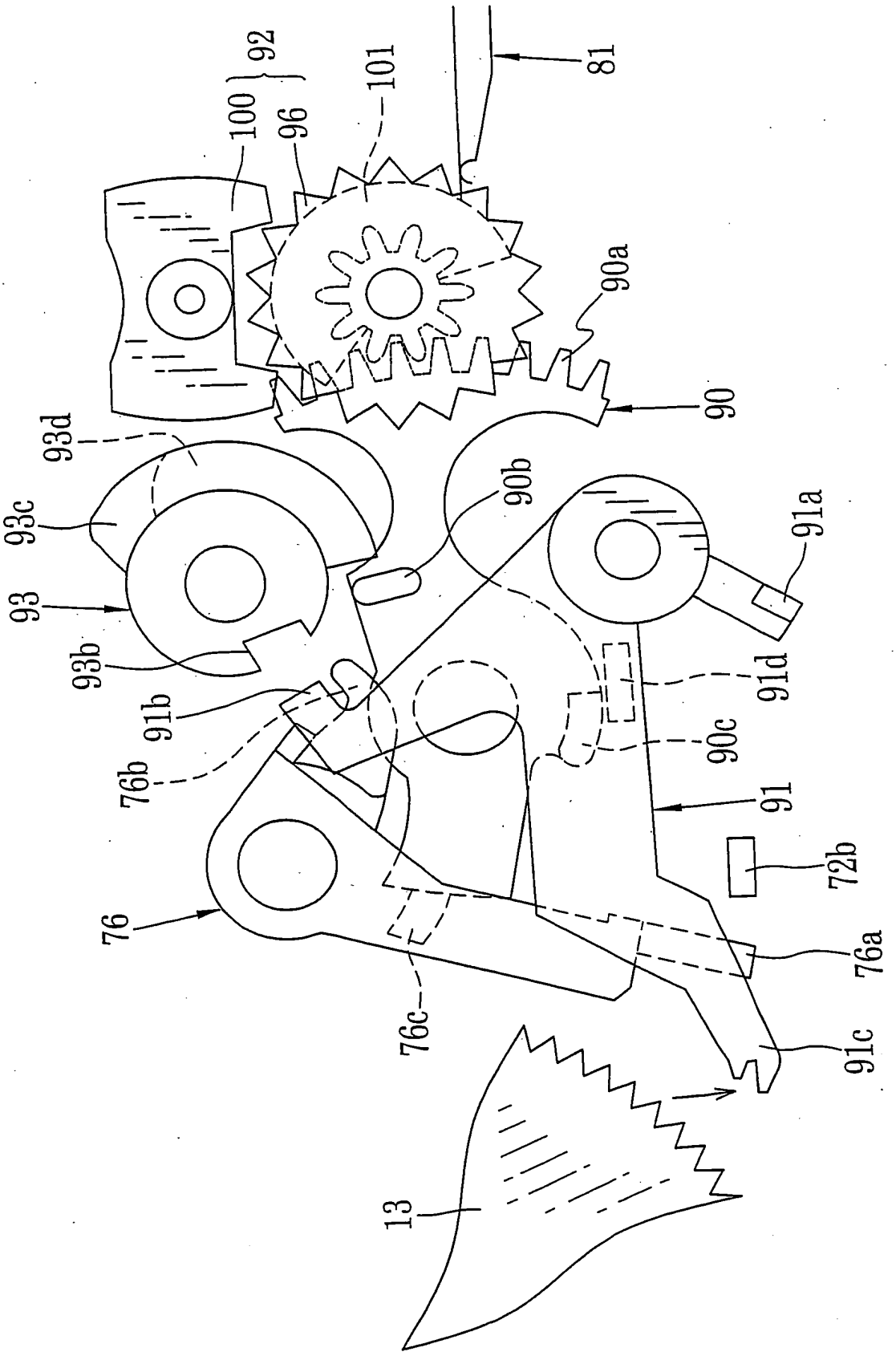

92
100
96
101
81
90a
90
93d
93c
93
93b
91b
76b
76
90b
91a
91d
90c
91
72b
76a
76c
91c
13

FIG.16

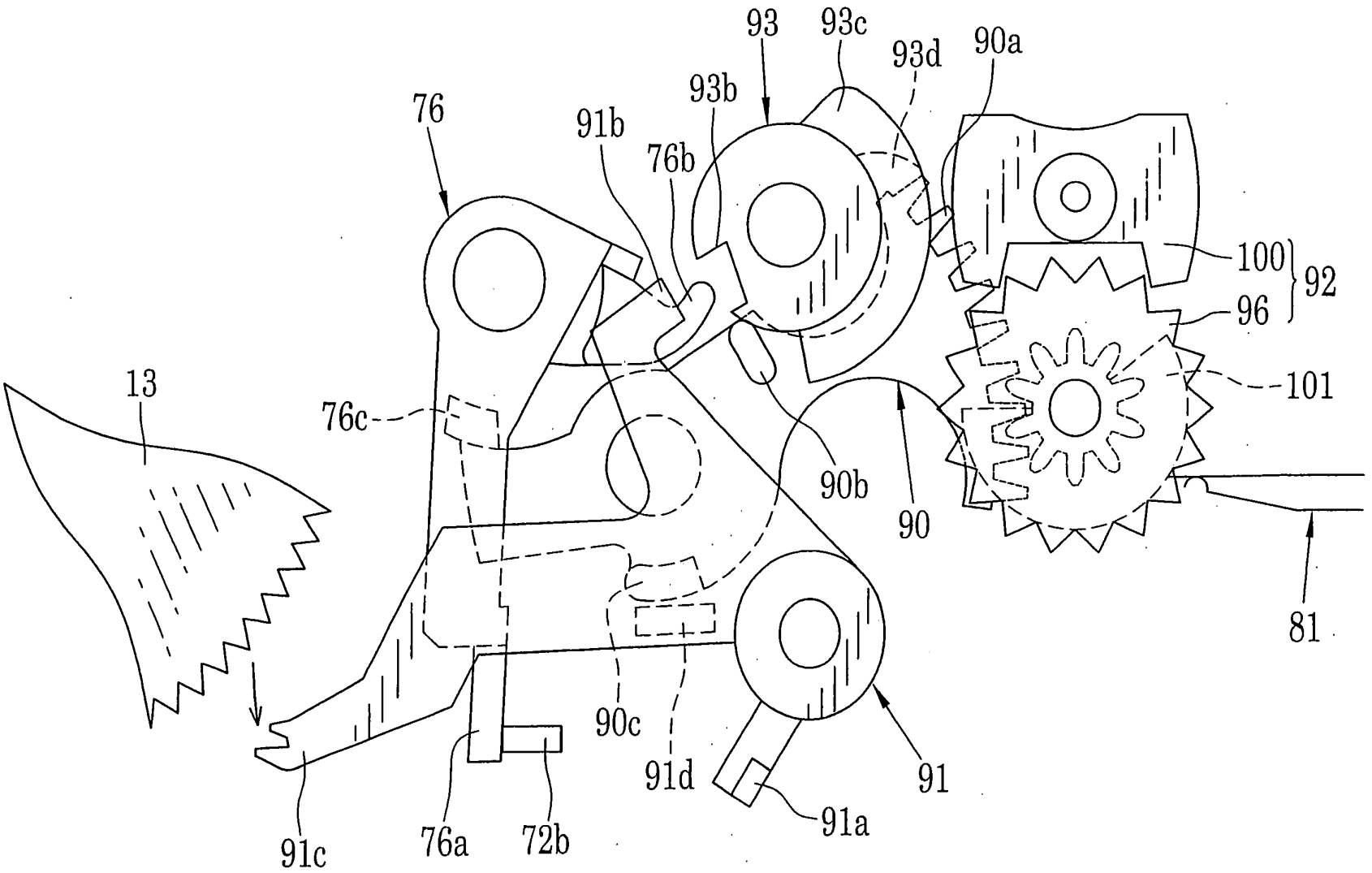

93
93c
93d
90a
93b
76
91b
76b
100
92
96
101
13
76c
90b
90
81
90c
91d
91
91a
91c
76a
72b

FIG.17

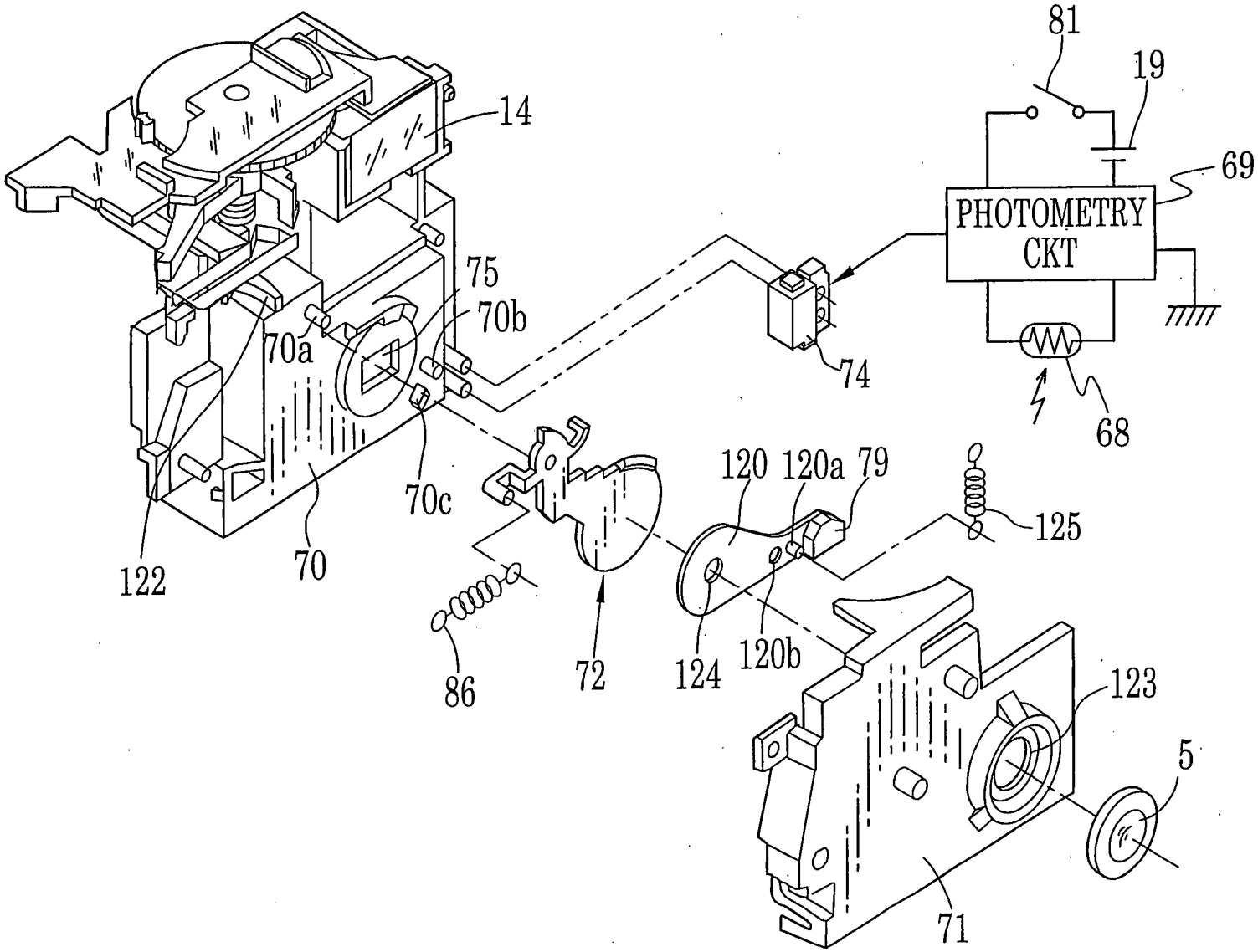

81
19
14
69
PHOTOMETRY CKT
75
70b
70a
74
68
70c
120
120a
79
125
122
70
86
72
124
120b
123
5
71

FIG.18A

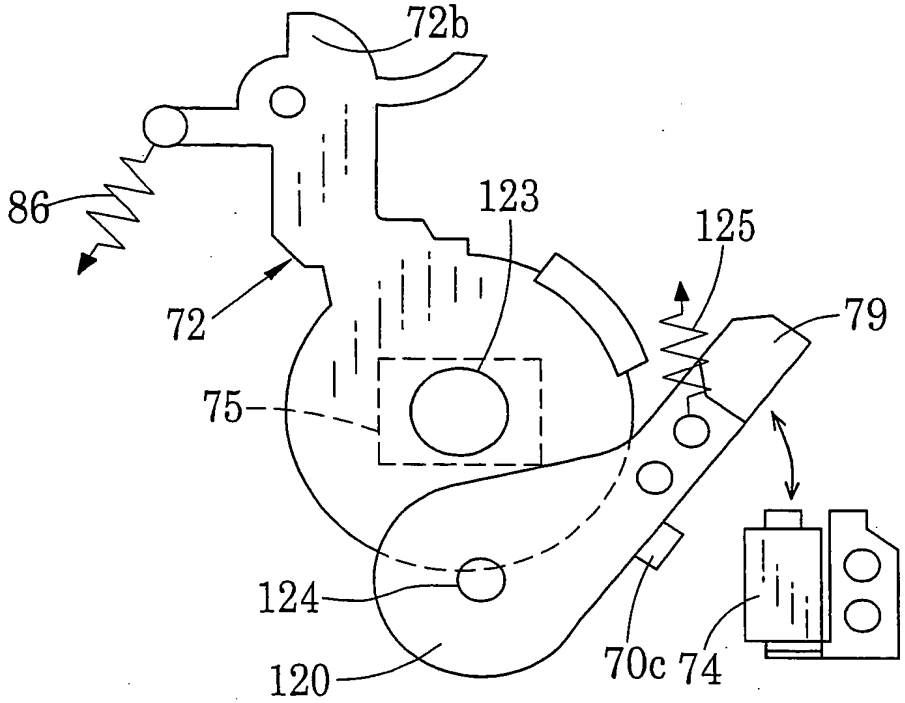


FIG.18B

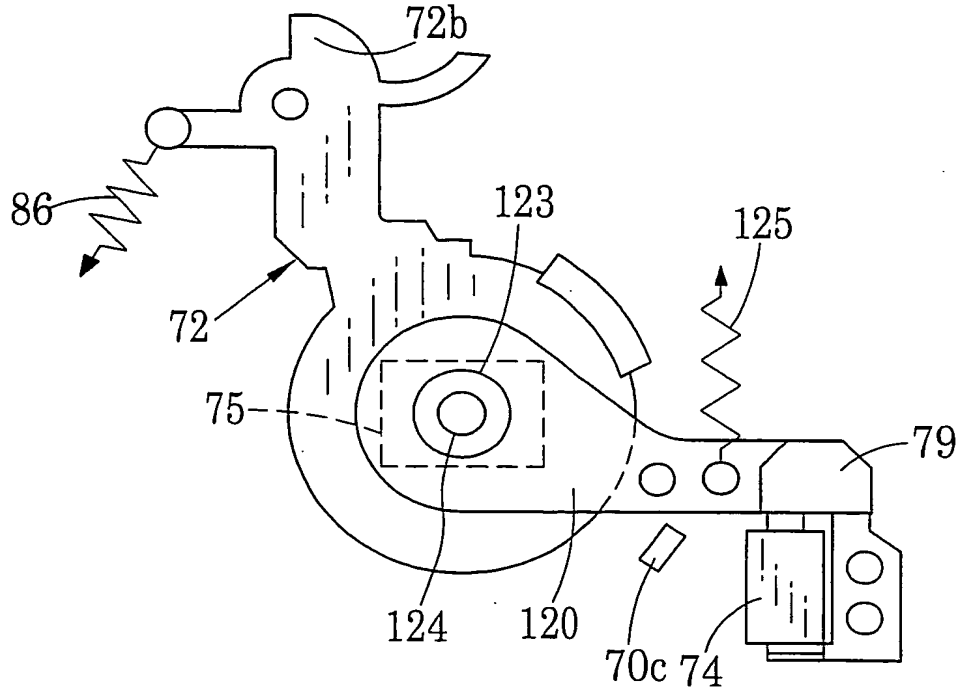


FIG.19

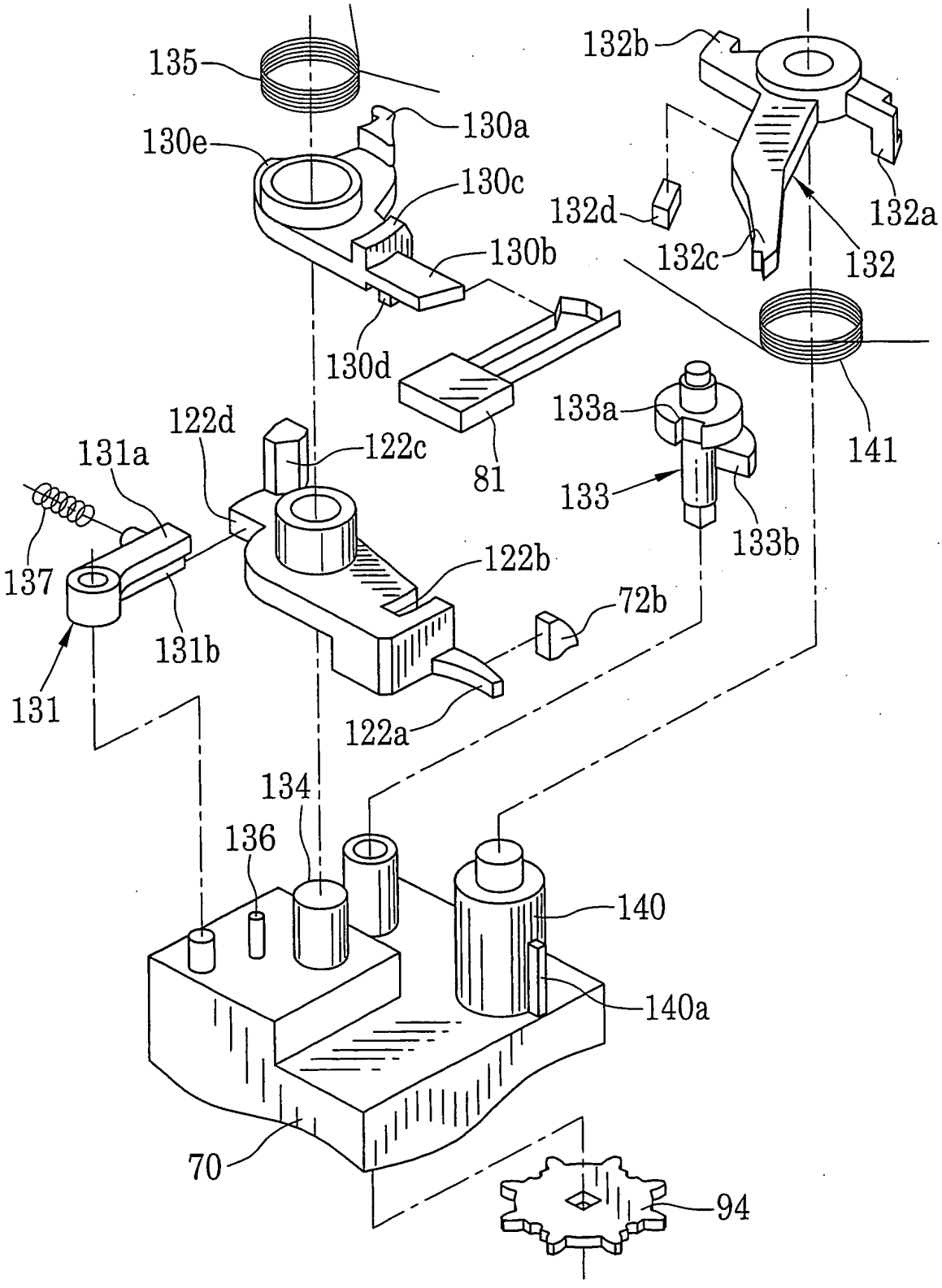

135
130a
130e
130c
130b
130d
81
132b
132d
132c
132a
132
141
133a
133
133b
122d
122c
131a
137
122b
72b
131b
131
122a
134
136
140
140a
70
94

FIG.20

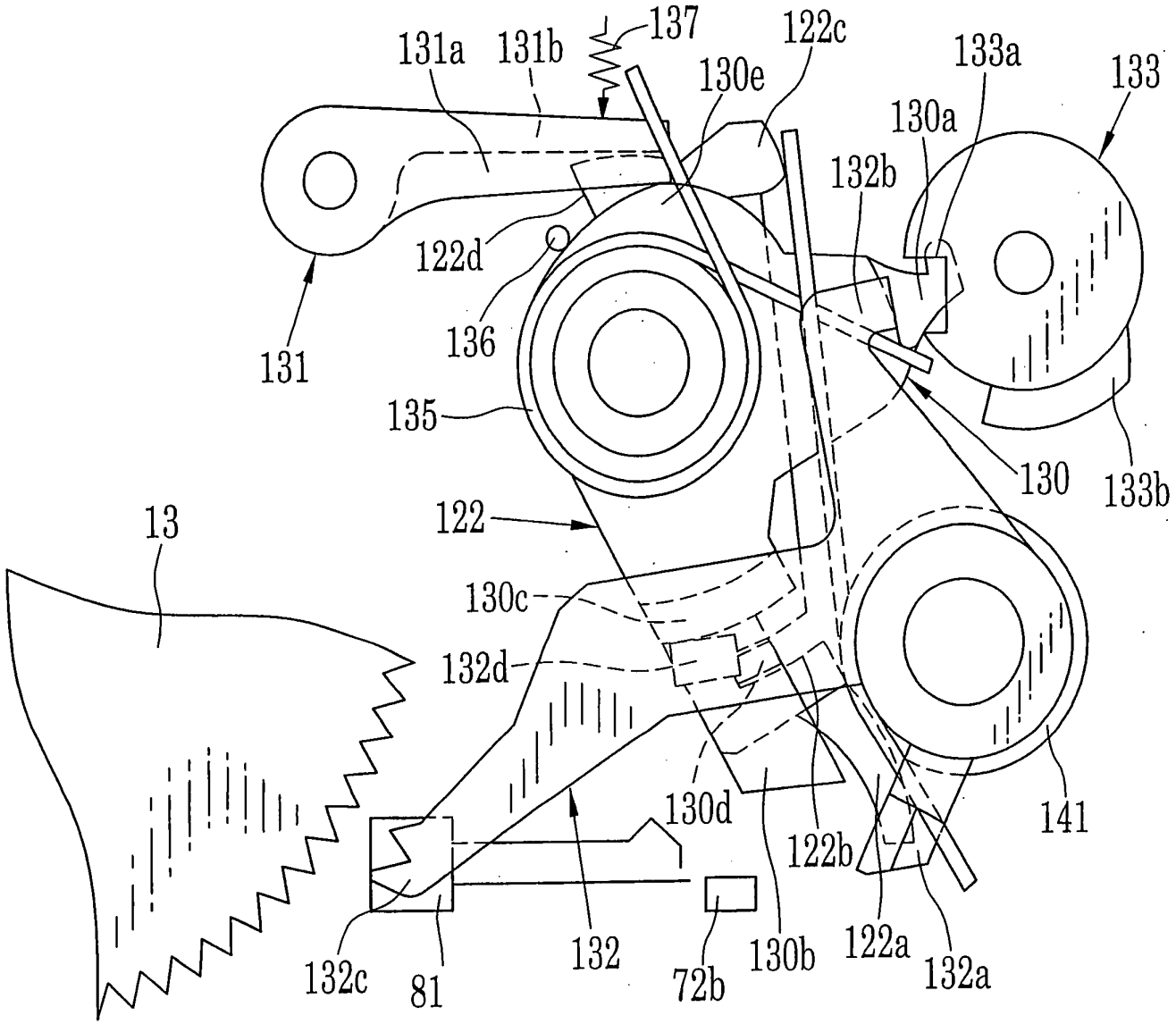

131a
131b
137
122c
130e
133a
133
130a
132b
122d
136
131
135
130
133b
13
122
130c
132d
130d
141
122b
132c
81
132
72b
130b
122a
132a

FIG.21

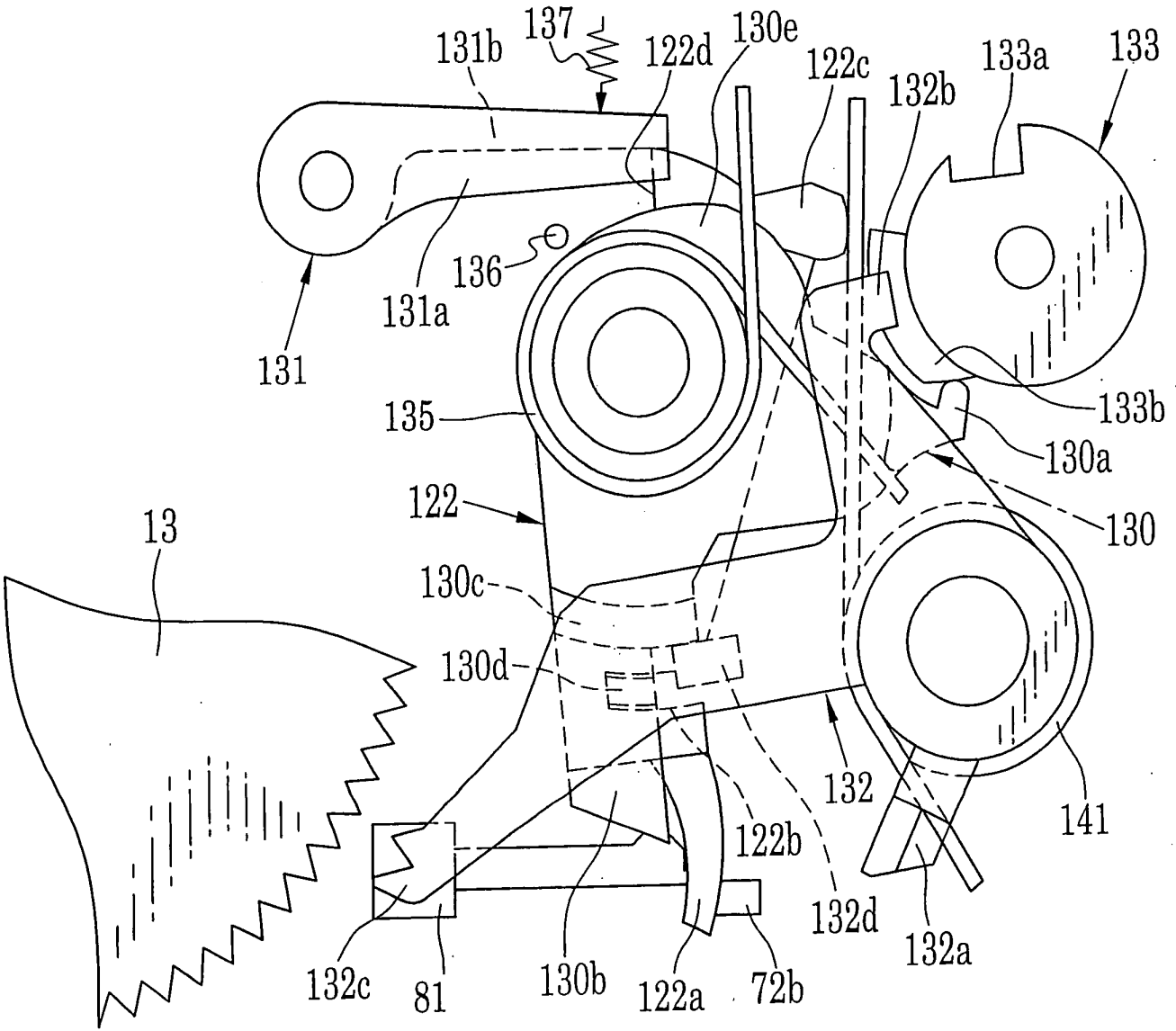

131b
137
122d
130e
122c
132b
133a
133
136
131a
131
135
133b
130a
122
130
13
130c
130d
132
141
122b
132d
132a
132c
81
130b
122a
72b

FIG.22

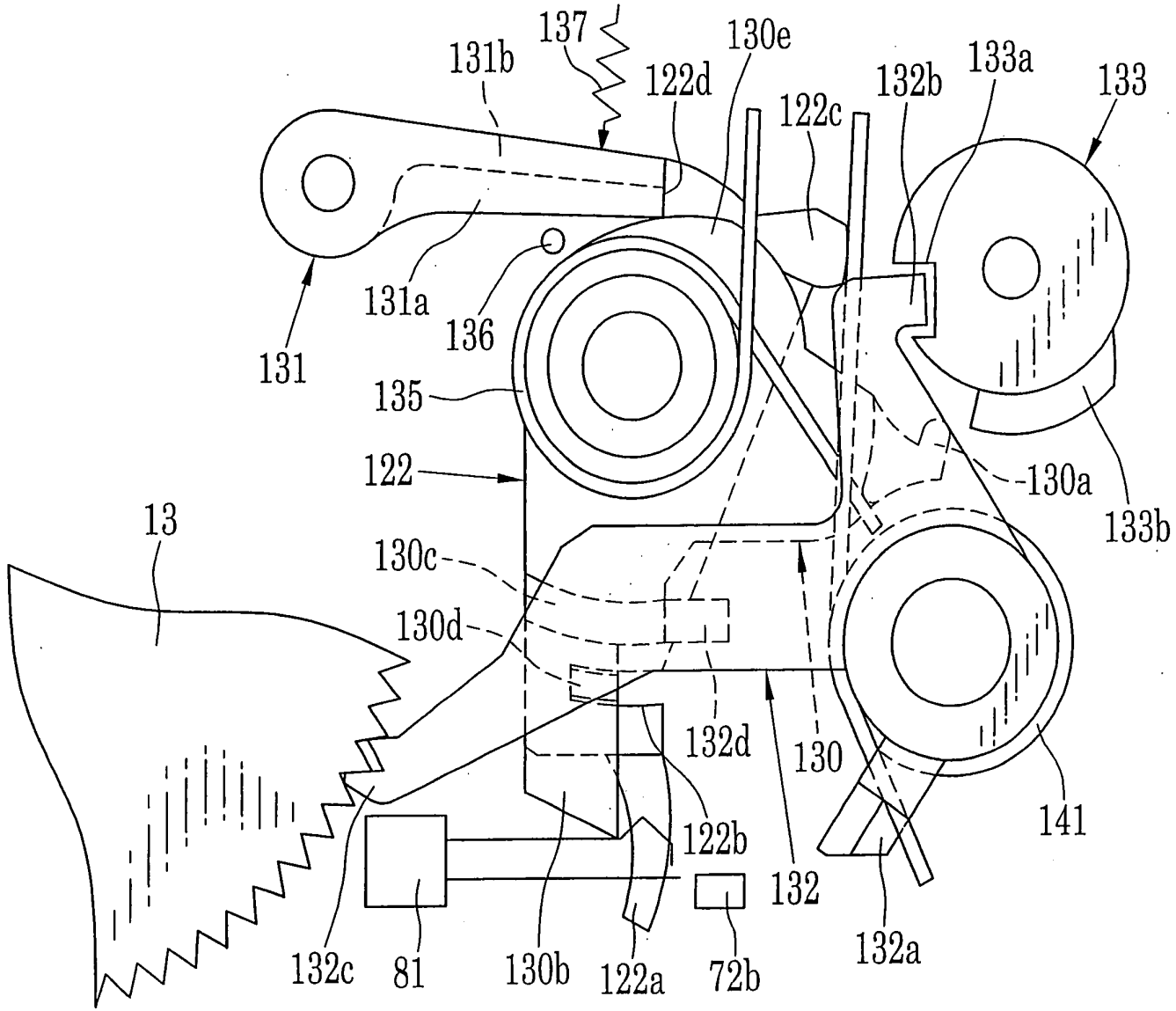

137
131b
130e
122d
122c
132b
133a
133
131a
136
131
135
122
130a
133b
13
130c
130d
132d
130
141
122b
132
132c
81
130b
122a
72b
132a

FIG.23

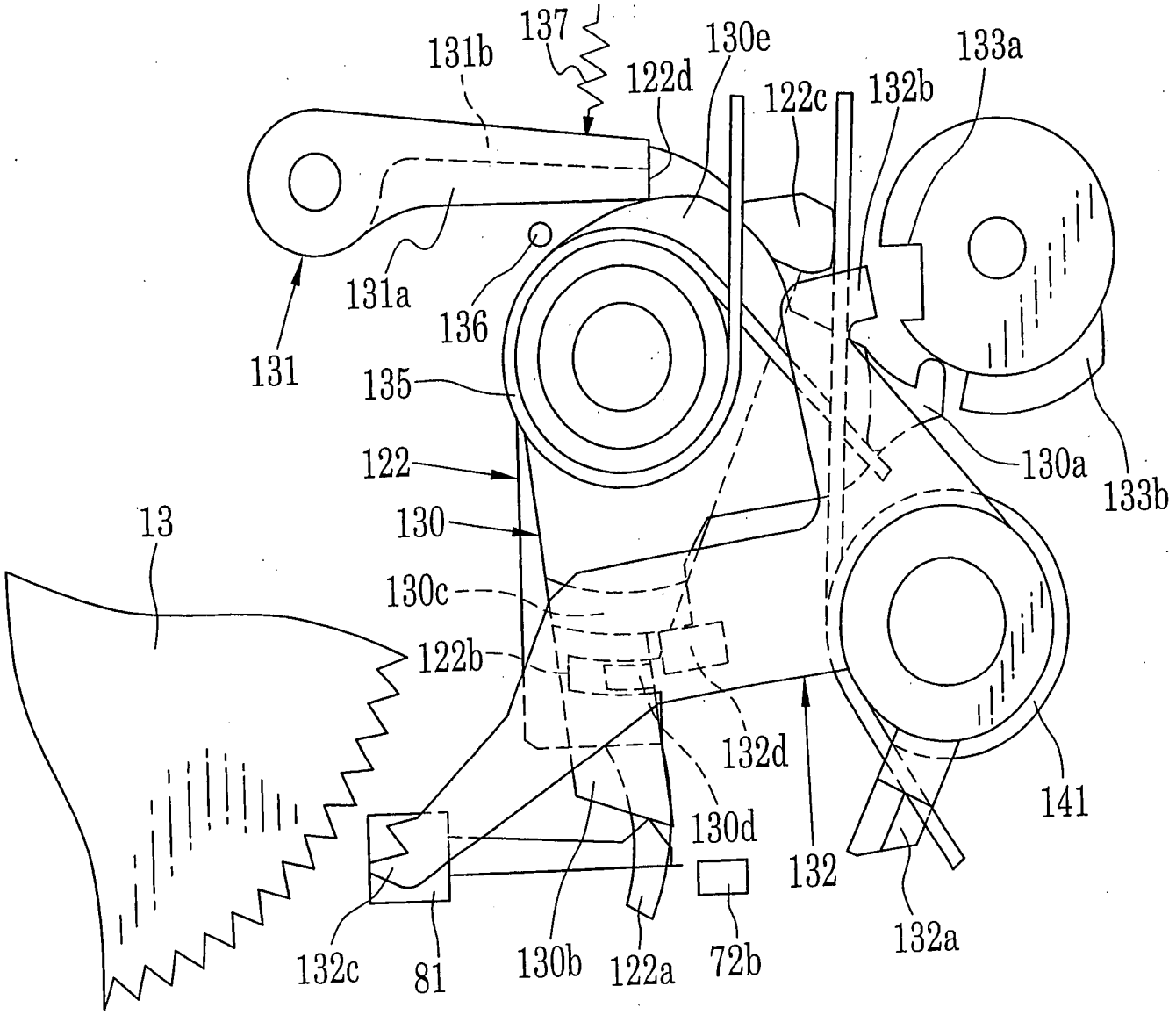
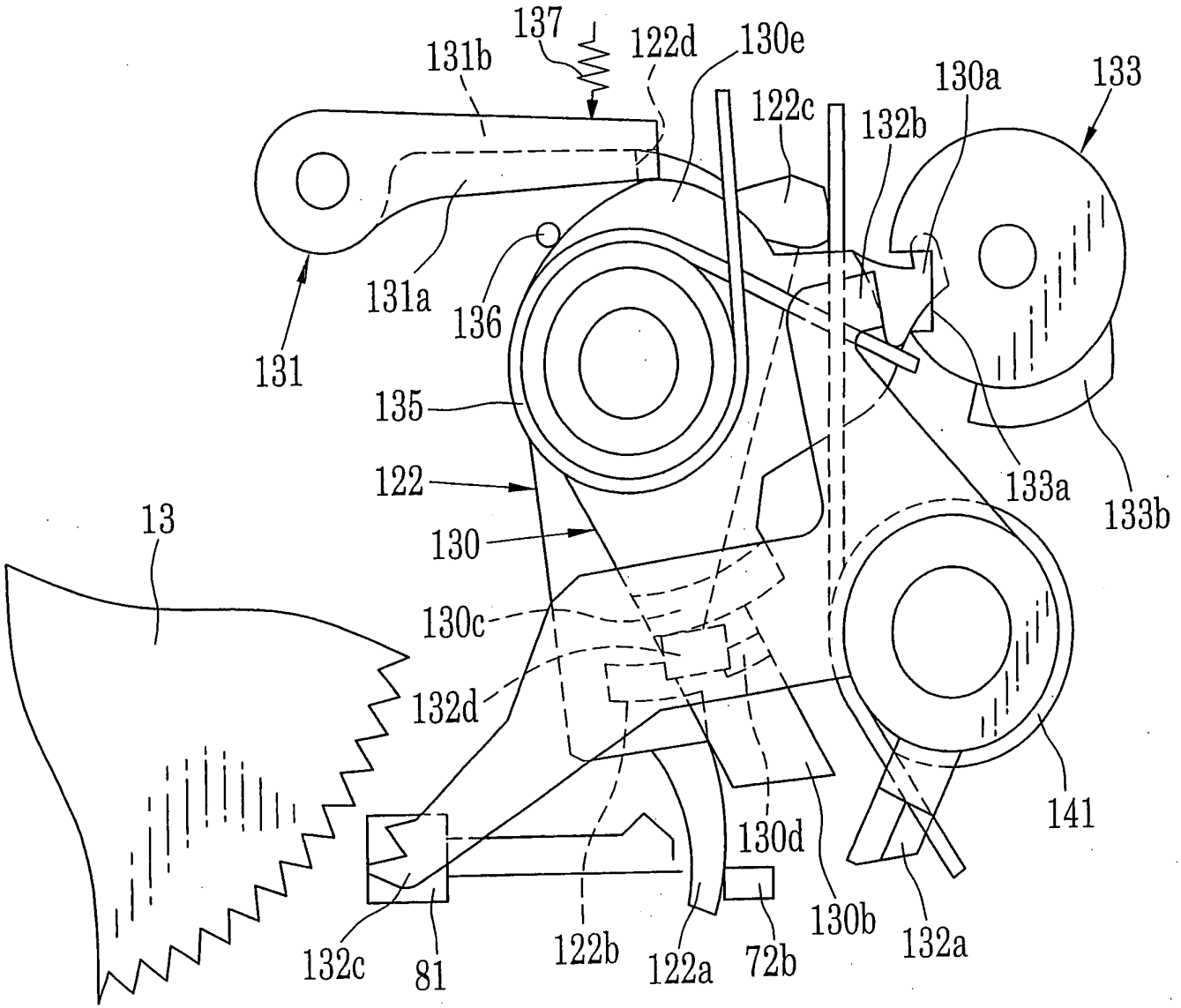

137
131b
122d
130e
122c
132b
133a
131a
136
131
135
122
130a
133b
13
130
130c
122b
132d
141
130d
132
132c
81
130b
122a
72b
132a

FIG.24


137
131b
122d
130e
130a
133
122c
132b
131a
136
131
135
122
133a
133b
13
130
130c
132d
141
130d
130b
132a
132c
81
122b
122a
72b